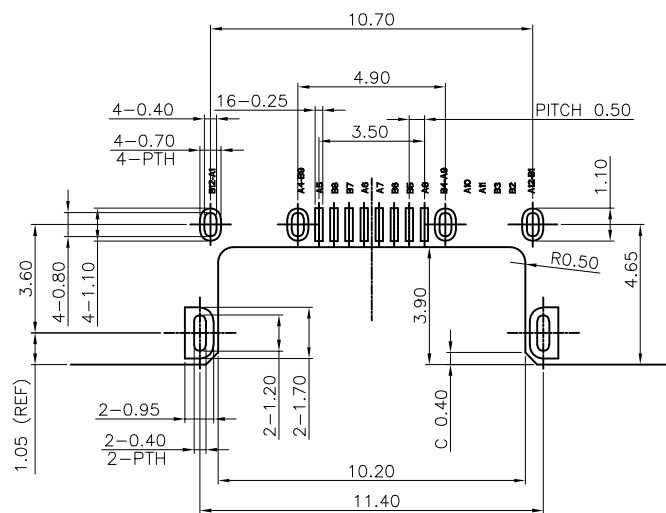


APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	1/22/24	
A		UPDATE DRAWING	10/29/24	LW1/YC
B		UPDATE PACKAGED	12/11/24	LW1/LZ



RECOMMENDED PCB LAYOUT

SPECIFICATIONS:

Material:

Insulator: Hi-Temp Thermoplastic, rated UL 94V-0

Insulator color: Black

Contacts: Copper Alloy

Shell: SUS304, Nickel plated

O-Ring: Silicon Rubber

Plating:

Gold Flash over Nickel underplate on contact area,

Tin over Nickel underplate on solder tails

Electrical:

Current rating: 5A For Collectively Power Supply Pin

(Pin A1, A4, A9, A12, B1, B4, B9, B12)

1.25A For Vconn Pin

0.25A For Other Pin Signal Pin

Contact resistance: 40 mohms max for Initial.

Insulation resistance: 100 Mohms min

Dielectric withstanding voltage: 100VAC R.M.S

Mechanical:

Mating Force: 5~20N

Unmated force: 6~20N After test

Durability cycles: 10000 cycles

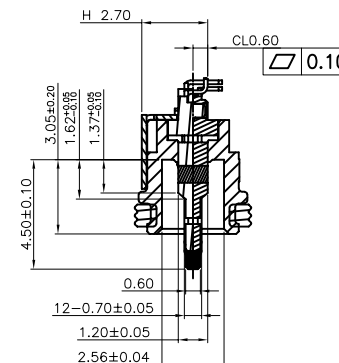
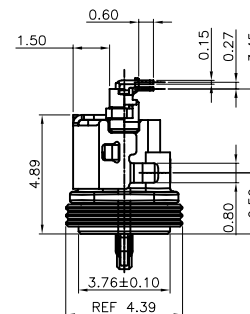
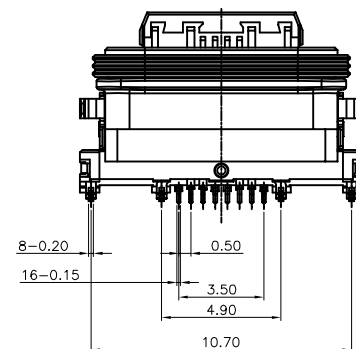
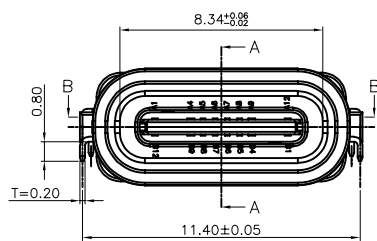
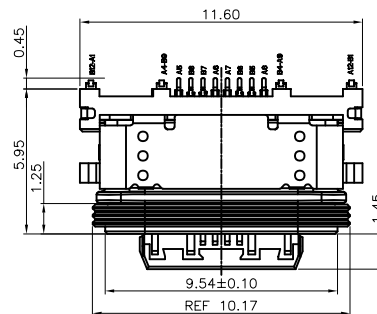
Temperature Rating:

Operating temperature: -40°C to +85°C

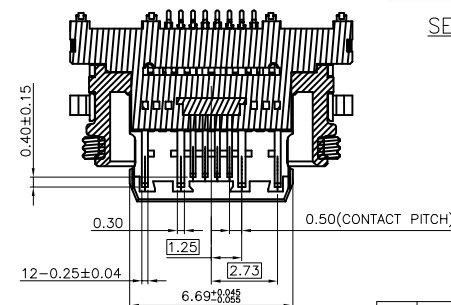
Environmental:

waterproof: IPX8

Lead free, RoHS compliant



SECTION A-A



SECTION B-B

Pin	Signal Name	Mating Sequence	Pin	Signal Name	Mating Sequence
A1	GND	First	B12	GND	First
A4	V _{bus}	First	B9	V _{bus}	First
A5	CC1	Second	B8	SBU2	Second
A6	Dp1	Second	B7	Dn2	Second
A7	Dn1	Second	B6	Dp2	Second
A8	SBU1	Second	B5	CC2	Second
A9	V _{bus}	First	B4	V _{bus}	First
A12	GND	First	B1	GND	First
SHELL	GND		SHELL	GND	

PACKAGED ON TAPE & REEL

TRANSMISSION EFFICIENCY: 480M

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE MILLIMETERS. TOLERANCES: EXCEPT AS NOTED		
MM	ANGLE	
X ± .50	± 2°	
.X ± .30		
.XX ± .20		
.XXX ± .10		
DRAWN	WX	1/22/24
CHECKED	RC	1/22/24
APPROVED		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY AND SHOULD NOT BE USED WITHOUT PRIOR WRITTEN PERMISSION FROM ADAM TECH		



TITLE
USB TYPE C 2.0, FEMALE, WATER PROOF IPX8,
EDGE HANG TYPE, RIGHT ANGLE, TAPE & REEL

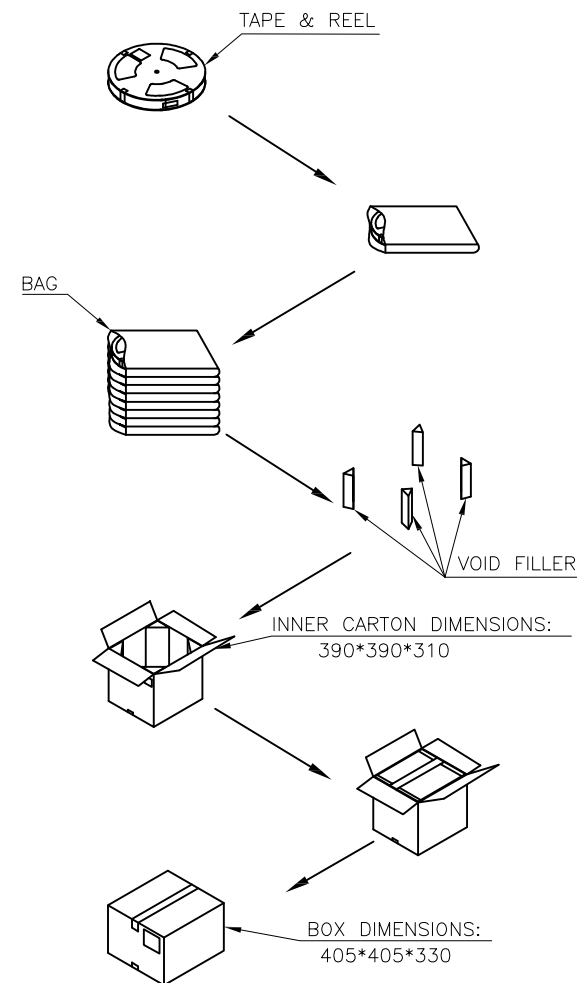
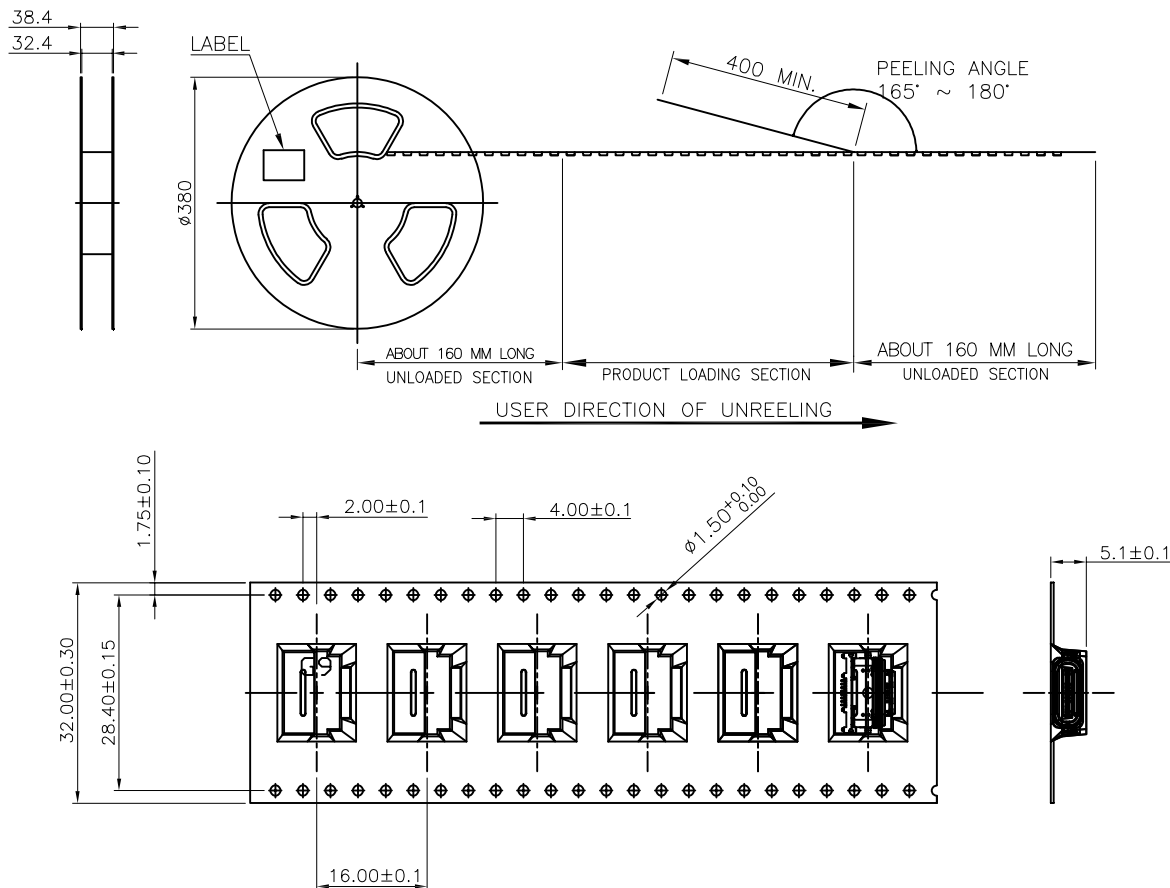
SIZE	PART NO.	REV.
X	USB-C20-S-RA-CS50-EH-WP-BK-T/R	B
REF:	S00197C	SCALE: NTS
		SHEET 1 OF 2

APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-----	-------	-------------	------	------

SEE SHT 1 OF 2 FOR REVISION



1000	8	8000 PCS	-- KG	-- KG
PCS/ REEL	REELS/ CARTON	QUANTITY	GROSS WEIGHT	NET WEIGHT

NOTE:

1.MATERIAL:

BOX: FIBREBOARD, CORRUGATED, DOUBLE WALL.
TAPE: POLYSTYRENES, HEAT-RESISTANT TEMPERATURE: 120°C, BLACK COLOR.
REEL: POLYSTYRENES, HEAT-RESISTANT TEMPERATURE: 70°C, BLUE COLOR.
BAG: POLYETHYLENE, HEAT-RESISTANT TEMPERATURE: 100°C.

2.PEELING STRENGTH: 0.1 ~ 1.3 N (10 ~ 130 GRAMS)

3.PEELING SPEED: 300 mm/min.

4.EACH BAG SHALL BE INCLUDED DESICCANT.

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS
ARE MILLIMETERS. TOLERANCES: EXCEPT AS NOTED

MM	ANGLE
X. ± .50	±2°
.X ± .30	
.XX ± .20	
.XXX ± .10	

DRAWN	WX	1/22/24
CHECKED	RC	1/22/24
APPROVED		

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY
AND SHOULD NOT BE USED WITHOUT PRIOR WRITTEN
PERMISSION FROM ADAM TECH



TITLE
USB TYPE C 2.0, FEMALE, WATER PROOF IPX8,
EDGE HANG TYPE, RIGHT ANGLE, TAPE & REEL

SIZE X	PART NO. USB-C20-S-RA-CS50-EH-WP-BK-T/R	REV. B
REF: S00197C	SCALE: NTS	SHEET 2 OF 2